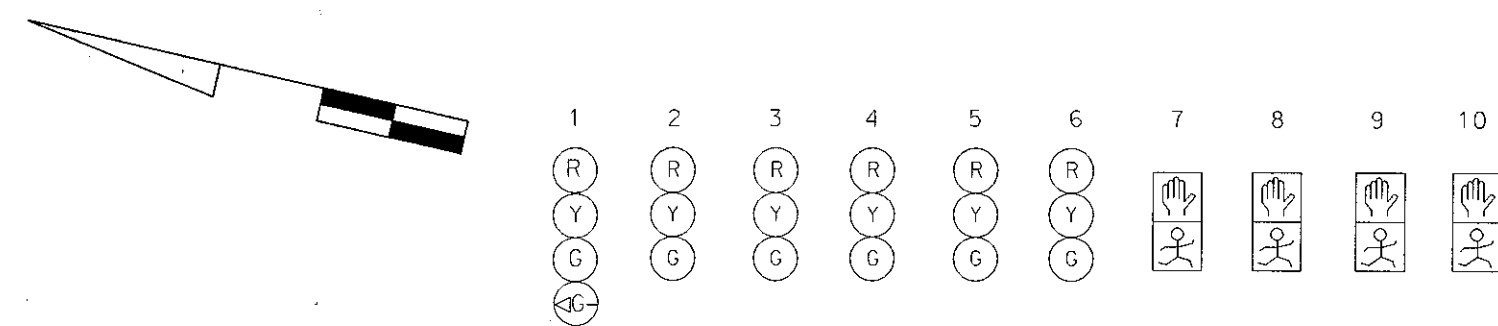


PHASE CHART



PHASE 1 + 6	G	G	R	R	R	R	DW	DW	DW	DW	↑
1 + 6 CHANGE	G	G	R	R	R	R	DW	DW	DW	DW	→
PHASE 2 + 6	G	G	G	G	R	R	WK	WK	DW	DW	←
PED CLEARANCE	G	G	G	G	R	R	FL/DW	FL/DW	DW	DW	←
CHANGE 2 + 6	Y	Y	Y	Y	R	R	DW	DW	DW	DW	→
PHASE 4	R	R	R	R	G	G	DW	DW	DW	DW	↑
4 CHANGE	R	R	R	R	Y	Y	DW	DW	DW	DW	↑
ALT PHASE 4	R	R	R	R	G	G	DW	DW	WK	WK	↑
PED CLEARANCE	R	R	R	R	G	G	DW	DW	FL/DW	FL/DW	↑
ALT 4 CHANGE	R	R	R	R	Y	Y	DW	DW	DW	DW	↑
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	DARK	DARK	DARK	DARK	↑

PROJECT DESCRIPTION

I. GENERAL

THIS PROJECT INVOLVES THE MODIFICATION OF AN EXISTING TRAFFIC CONTROL SIGNAL DUE TO NEW GEOMETRICS AT THE INTERSECTION OF MD 355 (WISCONSIN AVENUE) AND DORSET AVENUE IN MONTGOMERY COUNTY. MD 355 (WISCONSIN AVENUE) IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

II. INTERSECTION OPERATION

1. THE INTERSECTION IS TO OPERATE IN A NEMA FOUR-PHASE, SEMI- ACTUATED MODE, WITH THE MD 355 (WISCONSIN AVENUE) APPROACHES RUN CONCURRENTLY. A LEAD LEFT TURN PHASE FOR THE NORTHBOUND APPROACH OF MD 355 (WISCONSIN AVENUE). A PEDESTRIAN PHASE WITH PUSHBUTTON ACTUATION SHALL REMAIN IN OPERATION ACROSS THE NORTH LEG OF MD 355 (WISCONSIN AVENUE). THE PEDESTRIAN PHASE TO CROSS DORSET AVENUE RUNS CONCURRENTLY WITH MD 355 SOUTHBOUND.
2. A FULLY-TRAFFIC-ACTUATED, EIGHT-PHASE CONTROLLER WITH ALL NECESSARY EQUIPMENT HOUSED IN A NEMA SIZE "6" BASE-MOUNTED CABINET SHALL REMAIN IN OPERATION AT THIS INTERSECTION.

III. SPECIAL NOTES

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLES TO THE APPROPRIATE TERMINALS AND SHALL PROPERLY LABEL EACH CABLE.
2. ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC ONLY.
3. ANY WORK BEING DONE IN THE CONTROLLER SHALL BE DONE BY THE SHA TRAFFIC SIGNAL SHOP.
4. IF THERE ARE PROBLEMS IN THE RELOCATION OF THE PEDESTAL POLE WITH THE NEW GEOMETRICS PLEASE CONTACT ONE OF THE FOLLOWING PERSONS:
DAVE ANDREWS AT (410) 683-1683
TROY HOLLOWAY AT (410) 823-8070.

PROJECT CONTACTS

THE CONTACT PERSONS FOR DISTRICT #3 ARE AS FOLLOWS:

MR. RALEIGH MEDLEY
ASSISTANT DISTRICT
ENGINEER MAINTENANCE
PHONE: (301) 513-7304

MR. MAJID SHAKIB
ASSISTANT DISTRICT
ENGINEER - TRAFFIC
PHONE: (301) 513-7358

MR. AUGIE REBISH
UTILITY ENGINEER
PHONE: (301) 513-7350

MR. EUGENE BAILEY
TEAM LEADER SIGN OPERATIONS
(410) 787-7676

MR. RICHARD L. DAFF, SR.
CHIEF, TRAFFIC OPERATIONS DIVISION
PHONE: (410) 787-7630

MR. ROBERT SNYDER
ASSISTANT DIVISION CHIEF -
TRAFFIC OPERATIONS
(410) 787-7630

MR. ED RODENHIZER
TEAM LEADER SIGNAL OPERATIONS
(410) 787-7650

SUPPLY OFFICER IV
(SIGNAL SHOP WAREHOUSE)
(410) 787-7668

EQUIPMENT LIST "A"

A. EQUIPMENT TO BE SUPPLIED BY SHA

ITEM NO.	QUANTITY	DESCRIPTION
8.5 S.F.		SHEET ALUMINUM SIGNS - 1 EACH S2-1 (30"x30") "SIGN" "SCHOOL CROSSING SYMBOL" - 1 EACH M6-2R (21"x15") "SIGN" "DIRECTIONAL ARROW - DIAGONAL"

EQUIPMENT LIST "B"

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR:

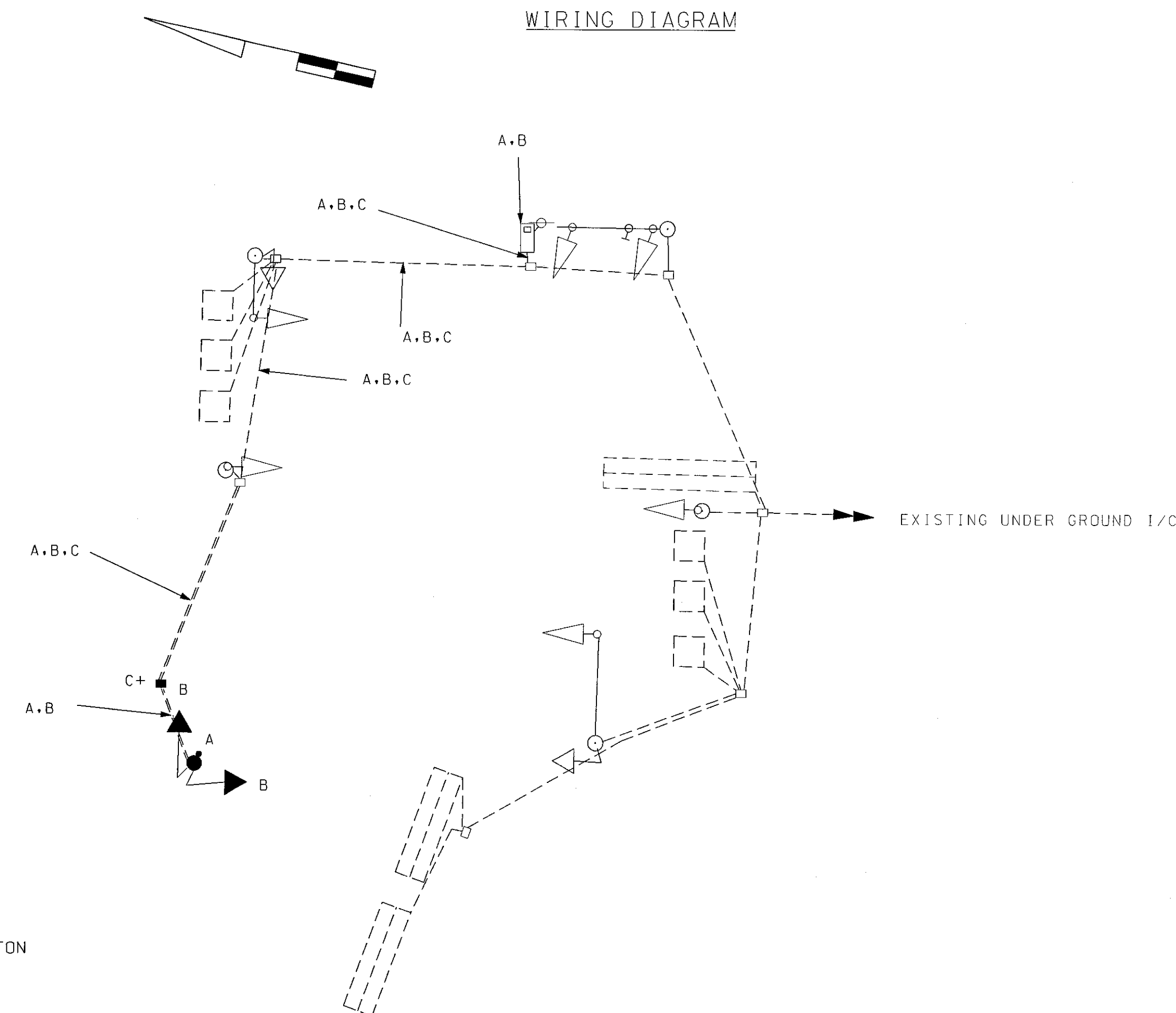
ITEM NO.	QUANTITY	DESCRIPTION
1001	1 EACH	MAINTENANCE OF TRAFFIC
2002	1 CY	TEST PIT EXCAVATION
5003	225 L.F.	12 IN WHITE HEAT APPLIED THERMO PAVEMENT MARKING
5004	40 L.F.	24 INCH WHITE HEAT APPLIED THERMO PAVEMENT MARKING
5006	150 L.F.	REMOVAL OF EXISTING PAVEMENT LINE MARKINGS - ANY WIDTH
8001	1 EACH	FURNISH AND INSTALL 12 IN PED SIGNAL HEAD SECTION
8009	1 EACH	FURNISH AND INSTALL 10' PED POLE
8011	1 EACH	FURNISH AND INSTALL PUSHBUTTON AND SIGN R10-4(1) 9" X 12" "PUSH BUTTON TO CROSS WISCONSIN AVENUE"
8013	1 EACH	REMOVE AND DISPOSE MATERIAL AND EQUIPMENT PER ASSIGNMENT
8015	1 EACH	REMOVE AND DISPOSE FOUNDATION 12" BELOW GRADE
8016	25 L.F.	FURNISH AND INSTALL 2" POLYVINYL ELECTRICAL CONDUIT, SCHEDULE 80, TRENCHED
8021	.7 CY	FURNISH AND INSTALL CONCRETE FOR SIGNAL FOUNDATION
8023	225 L.F.	FURNISH AND INSTALL NO. 6 AWG STRANDED BARE COPPER GROUND WIRE
8028	60 L.F.	FURNISH AND INSTALL 4" PVC SCH 80 CONDUIT - BORED
8041	1 EACH	FURNISH AND INSTALL ELECTRICAL HANDHOLE
8042	8.5 S.F.	INSTALL GROUND MOUNTED SIGN
8050	1 EACH	FURNISH AND INSTALL GROUND ROD-3/4 INCH DIAMETER X 10 FOOT LENGTH
8056	240 L.F.	FURNISH AND INSTALL ELECTRICAL CABLE-2 CONDUUCTOR (NO 14 AWG)
8058	240 L.F.	FURNISH AND INSTALL ELECTRICAL CABLE-5 CONDUCTOR (NO 14 AWG)
NEG	16 L.F.	FURNISH AND INSTALL WOOD SIGN SUPPORTS 4 INCH X 6 INCH.
NEG	1 EACH	PAINTING NEW GALVANIZED STRUCTURES

EQUIPMENT LIST "C"

C. EXISTING EQUIPMENT TO BE REMOVED BY THE CONTRACTOR AND DELIVERED TO THE STATE HIGHWAY ADMINISTRATION, 7941 CONNELLY DRIVE, HANOVER, MARYLAND 21076.

NOTE: 1. ALL EQUIPMENT TO BE REMOVED AND NOT LISTED ABOVE SHALL BECOME THE PROPERTY OF THE CONTRACTOR

WIRING DIAGRAM



WIRING KEY

- A - 2-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G)
- B - 5-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G)
- C - STRANDED BARE COPPER GROUND WIRE (NO. 6 A.W.G)
- + - 3/4" X 10' GROUND ROD



CENTURY ENGINEERING
50 Scott Adam Road
Suite 103
Cockeysville, MD 21030
410-683-1683



MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
MD 355 (WISCONSIN AVE.) AT DORSET AVE.
TOWN OF SOMERSET, MARYLAND

DRAWN BY: D.L.A.	F.A.P. NO.: AC-STPG-0005(857)E	TS NO. 4249A	SHEET NO. 2 OF 2
CHECKED BY: D.L.A.	S.H.A. NO.: AT2885185	T.J.M.S. NO. F734	
SCALE: NONE	COUNTY: MONTGOMERY	LOG MILE: 15035500.44	
DATE: 5/20/03			